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ABSTRACT

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The present invention relates to a fastener system for securing a grating to an underlying structural support member when the grating experiences extremely high wave pressures. The fastening system includes elongated generally L-shaped connectors for fastening the longitudinal
5 edges of grating sheets to structural members and plate fasteners in a wave zone area of the platform. The plate fasteners have a top plate for mounting on an upper surface of the grating sheets, a bottom plate for attaching to the structural members in a laterally extending direction for supporting the grating sheet and bolt assemblies for clamping the top and bottom plates
10 together in order to secure the grating sheets to the structural members. A combination of the elongated L-shaped connectors and the plate fasteners provide fastening support for the gratings sheets so as to resist vertical and horizontal wave pressures when secured to the supporting members.

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